

Segment ID: 0507A **Water body name:** Cowleech Fork Sabine River (unclassified water body)

Freshwater Stream

Sabine River Basin

Total size:

30 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2004	Dissolved Oxygen grab average	No Concern	Lower 10 miles, downstream of Long Branch confluence	10	31	0	
2004	Dissolved Oxygen grab average	No Concern	Upper 20 miles, upstream of Long Branch confluence	20	10	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10	31	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20	10	0	
2004	Dissolved Oxygen 24hr average	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
2004	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
2002	Acute Metals in water	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
2002	Acute Metals in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2002	Chronic Metals in water	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
2002	Chronic Metals in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2002	Acute Organics in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2002	Chronic Organics in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2004	Acute Toxicity tests in water	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2004	Overall Aquatic Life Use	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10			

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Aquatic Life Use (continued)

2004	Overall Aquatic Life Use	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20			
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Contact Recreation Use

2004	E. coli single sample	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2004	E. coli single sample	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20	21	3	
2004	E. coli geometric mean	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2004	E. coli geometric mean	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20	21		149
2004	Fecal coliform single sample	Use Concern	Lower 10 miles, downstream of Long Branch confluence	10	30	9	
2004	Fecal coliform single sample	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20	10	2	
2004	Fecal coliform geometric mean	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10	30		179
2004	Fecal coliform geometric mean	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20	10		215
2004	Overall Recreation Use	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10			
2004	Overall Recreation Use	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20			

Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
2002	Human Health Criteria Metals	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2002	Human Health Criteria Organics	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	1		
2002	Human Health Criteria Organics	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		

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Fish Consumption Use (continued)

2002	Overall Fish Consumption Use	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10			
2002	Overall Fish Consumption Use	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			

Overall Use Support

2004		Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10			
2004		Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Lower 10 miles, downstream of Long Branch confluence	10	11	1	
2002	Ammonia Nitrogen	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	9	2	
2002	Nitrite + Nitrate Nitrogen	Concern	Lower 10 miles, downstream of Long Branch confluence	10	13	8	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upper 20 miles, upstream of Long Branch confluence	20	12	2	
2002	Orthophosphorus	Concern	Lower 10 miles, downstream of Long Branch confluence	10	12	8	
2002	Orthophosphorus	No Concern	Upper 20 miles, upstream of Long Branch confluence	20	12	0	
2002	Total Phosphorus	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	8	5	
2002	Total Phosphorus	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	6	0	
2002	Overall Nutrient Enrichment Concerns	Concern	Lower 10 miles, downstream of Long Branch confluence	10			
2002	Overall Nutrient Enrichment Concerns	No Concern	Upper 20 miles, upstream of Long Branch confluence	20			

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Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
2002	Chlorophyll a	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
2002	Metals in sediment	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Lower 10 miles, downstream of Long Branch confluence	10			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 20 miles, upstream of Long Branch confluence	20			

Overall Secondary Concern

2002		Concern	Lower 10 miles, downstream of Long Branch confluence	10			
2002		No Concern	Upper 20 miles, upstream of Long Branch confluence	20			